16

Claims

1   1.   An interactive computer controlled display system
2   with speech command input recognition comprising:
3   means for predetermining a plurality of speech
4   commands for respectively initiating each of a
5   corresponding plurality of system actions,
6   means for providing for each of said plurality of
7   commands, an associated set of speech terms, each term
8   having relevance to its associated command,
9   means for detecting speech command and speech terms,
10   means responsive to a detected speech command for
11 displaying said command, and
12   means responsive to a detected speech term having
13 relevance to one of said commands for displaying the
14 relevant command.

1   2.   The system of claim 1 further including interactive
2   means for selecting a displayed command to thereby
3   initiate a system action.

1   3.   The system of claim 2 wherein said means for
2   selecting said displayed command include speech command
3   input means.

1   4.   The system of claim 3 wherein said speech commands
2   and relevant commands are displayed simultaneously.

1   5.   The system of claim 4 wherein said means for
2   providing said associated set of speech terms include:
3   a stored relevance table of universal speech input
4   commands and universal computer operation terms

5 conventionally associated with actions initiated by said
6 input commands, and
7   means for relating the particular interactive
8 interface terms of said system with terms in said
9 relevance table.

1 6. A method for providing speech command input to an
2 interactive computer controlled display system with
3 speech command input recognition comprising:
4   predetermining a plurality of speech commands for
5 respectively initiating each of a corresponding plurality
6 of system actions,
7   providing for each of said plurality of commands, an
8 associated set of speech terms, each term having
9 relevance to its associated command,
10   detecting speech command and speech terms,
11   displaying a speech command responsive to its
12 detection as a speech command, and
13   responsive to a detected speech term having
14 relevance to one of said commands displaying the relevant
15 command.

1 7. The method of claim 6 further including the step of
2 interactively selecting a displayed command to thereby
3 initiate a system action.

1 8. The method of claim 7 wherein said selecting of said
2 displayed command include speech command input means.

1 9. The method of claim 8 wherein said speech commands
2 and relevant commands are displayed simultaneously.

10.   The method of claim 9 wherein said step of providing said associated set of speech terms includes:

storing a relevance table of universal speech input commands and universal computer operations terms conventionally associated with actions initiated by said input commands, and

relating the particular interactive interface terms of said system with terms in said relevance table.

11.   A computer program having program code included on a computer readable medium for speech command input recognition in an interactive computer controlled display system comprising:

means for predetermining a plurality of speech commands for respectively initiating each of a corresponding plurality of system actions,

means for providing for each of said plurality of commands, an associated set of speech terms, each term having relevance to its associated command,

means for detecting speech command and speech terms,

means responsive to a detected speech command for displaying said command, and

means responsive to a detected speech term having relevance to one of said commands for displaying the relevant command.

12.   The computer program of claim 11 further including interactive means for selecting a displayed command to thereby initiate a system action.

13.   The computer program of claim 12 wherein said means for selecting said displayed command include speech command input means.

1 14.   The computer program of claim 13 wherein said speech
2 commands and relevant commands are displayed
3 simultaneously.

1 15.   The computer program of claim 14 wherein said means
2 for providing said associated set of speech terms
3 include:
4   a stored relevance table of universal speech input
5 commands and universal computer operation terms
6 conventionally associated with actions initiated by said
7 input commands, and
8   means for relating the particular interactive
9 interface terms of said system with terms in said
10 relevance table.